

## User Manual

### Introduction

In this project we implemented a serverless image classifier using OpenWhisk. The classifier is accessible through a custom website where the user can upload an image that they want to be classified. The website encodes the image and sends it to the serverless classifier. Once the image is classified, the result is returned to the user's page and displayed there.

### Usage Example

To use the serverless classifier, follow the following steps:

1. Go to <http://classify.amitaifrey.com>
2. Choose the image that you want classified in the specified input:

### Image Classifier

Choose an image you want to classify:

Choose File

No file chosen

Classify

3. Click "Classify" and wait for the results:

### Image Classifier

Choose an image you want to classify:

Choose File

5547758\_eea9edfd54\_n.jpg

Classify




Classifying...

#### 4. Observe the results!

## Image Classifier

Choose an image you want to classify:

5547758\_eea9edfd54\_n.jpg



Classifying took 21.947s overall, 21.69s in the python script.

Predictions:

bee: 0.336569
fly: 0.212485
daisy: 0.16026327
leaf_beetle: 0.03216074
ant: 0.017659022

#### 5. You can upload and classify an image again, by performing steps 2-4 as before.

#### Current Limitations

- You can currently upload only a JPEG image
- The classifier returns only the top 5 results
- It may take the classifier 20-40s to complete the operation